

What Is Claimed Is:

1. A fixing apparatus for preventing the laser beam of an indicating light pen from being out of focus, the indicating laser light pen comprising:
  - a) a lower shaft made of electroconductive material being a hollow tube with a taper sleeve at one end thereof and with an external thread at the other end thereof, an adjusting assembly being fitted within the lower shaft for extending or retracting a refill to a certain extent;
  - b) an upper shaft being also a hollow tube having an internal thread corresponding to the external thread of the lower shaft, a clip mounted on the upper shaft and a push button disposed at a corresponding place to a switch of the light-emitting module;
  - c) a light-emitting module having electronic components of lighting fixture at one side thereof and a switch at the other side thereof, the light-emitting module further having a compression spring extending at one end thereof and a laser head sitting at the other end thereof, a focusing lens being attached to the laser head, an annular groove being formed at the joint of the laser head and the focusing lens;
  - d) a cap having a lens at the center thereof for preventing dust or foreign particles from entering into the cap, a connecting sleeve being extended from the bottom of the cap and inserted into the top of the upper shaft;
  - e) a fixing element made of a strip of metal and bent in a ring shape, the fixing element being extended and fixed within the cap in place, the fixing element further having a plurality of uniformly spaced and recessed parts that are internally arched on the fixing element so as to permit engagement of the recessed parts into the annular groove between the focusing lens and the laser head, thereby preventing the laser head from undesired

offset, so that an adjustment of the focus of the laser head and the cap is not necessary and a convenient use is achieved by use of the rapid engaging design in the fixing element.